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Figure 1

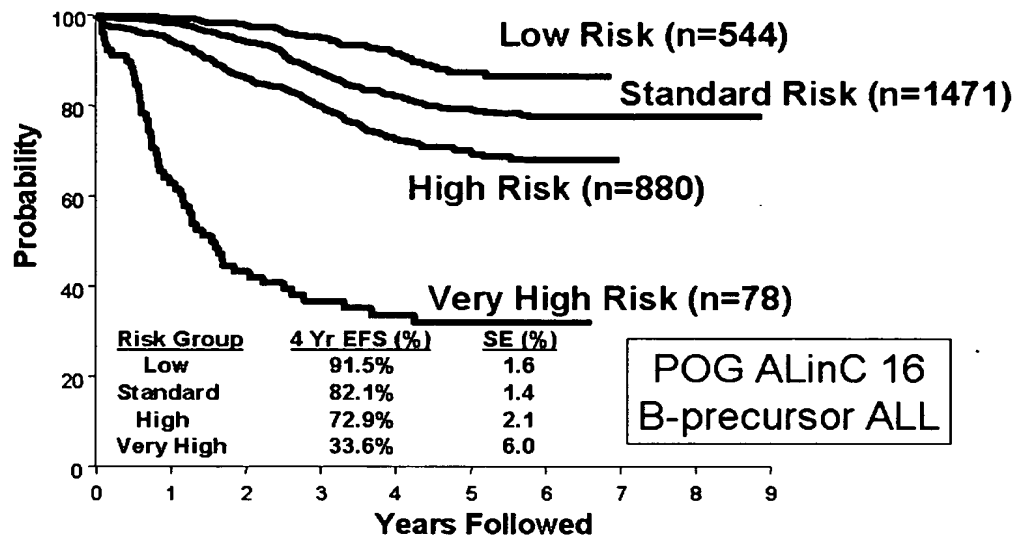


Figure 2A

GO with Exon 1:

<u>atgccttttccttttgggtcttagacag</u>	60
M P F L L G L R Q D K E A C V G T N N Q	20
agctacatctgtgacacaggacactgctgtggacagtctcagtgtgcaactactactat	120
S Y I C D T G H C C G Q S Q C C N Y Y Y	40
gaactctggtggttctggctggtgtggaccatcatcatcctgagctgctgctgtgtt	180
E L W W F W L V W T I I I I L S C C C V	60
tgccaccaccgccgagccaagcaccgccttcaggcccgagcagcggaacatgaaatcaac	240
C H H R R A K H R L Q A Q Q R Q H E I N	80
ctgatcgcttaccgagaagcccacaattactcagcgctgccattttatttcagggttttg	300
L I A Y R E A H N Y S A L P F Y F R F L	100
ccaaactatttactacctccttatgaggaagtgggaaccgacctccaactcctcccca	360
P N Y L L P P Y E E V V N R P P T P P P	120
ccatacagtgcccttcagctacagcagcagcagctgctgcctccacagtgtggcctgca	420
P Y S A F Q L Q Q Q Q L L P P Q C G P A	140
ggtggcagtccccgggcatcgatcccaccaggggatcccagggggcacagagcagcccc	480
G G S P P G I D P T R G S Q G A Q S S P	160
ttgtctgagcccagcagaagcagcacaagaccccccaagcatcgctgacctgatccctct	540
L S E P S R S S T R P P S I A D P D P S	180
gacctaccagttgaccgagcagccaccaaagccccagggatggagcccagtggtctgtg	600
D L P V D R A A T K A P G M E P S G S V	200
gctggcctgggggagctggacccgggggccttcctggacaaagatgcagaatgtaggag	660
A G L G E L D P G A F L D K D A E C R E	220
gagctgctgaaagatgacagctctgaacacggcgaccccgacagcaaagagaagacgcct	720
E L L K D D S S E H G A P D S K E K T P	240
gggagacatcgccgcttcacaggtgactcgggcattgaagtgtgtgtgtgcaaccggggc	780
G R H R R F T G D S G I E V C V C N R G	260
caccatgacgatgacctcaaagagttcaacacactcatcgatgatgctctggatgggccc	840
H H D D D L K E F N T L I D D A L D G P	280
ctggacttctgcgacagctgccatgtgcggccccctggtgatgaggaggaaggcctctgt	900
L D F C D S C H V R P P G D E E E G L C	300
cagtcctctgaggagcaggctcgagagcctgggcacccgcacctgccacggccgcccga	960
Q S S E E Q A R E P G H P H L P R P P A	320
tgctgtgctgaacaccatcaacgagcaggactctcccaactcccagagcagcagctcc	1020
C L L L N T I N E Q D S P N S Q S S S S	340
cccagctagagcaggtcctgccagcaccagcaacttggcaaagcaaccagggtagggga	1080
P S -	342

Figure 2B

GO with Exon 1a:

<u>atggagaggagaaggctcctgggtggcatggcgctcctgtcctccaggcgctgccagc</u>	60
M E R R R L L G G M A L L L L Q A L P S	20
<u>cccttgtcagccagggtgaacccccgcagg</u> gataaggaagcctgtgtgggtaccaacaat	120
P L S A R A E P P Q D K E A C V G T N N	40
caaagctacatctgtgacacaggacactgctgtggacagtctcagtgtgcaactactac	180
Q S Y I C D T G H C C G Q S Q C C N Y Y	60
tatgaactctggtggttctggctggtgtggaccatcatcatcctgagctgctgctgt	240
Y E L W W F W L V W T I I I I L S C C C	80
gtttgccaccaccgcccagccaagcaccgccttcaggcccagcagcggaacatgaaatc	300
V C H H R R A K H R L Q A Q Q R Q H E I	100
aacctgatcgcttaccgagaagcccacaattactcagcgctgccattttatttcaggttt	360
N L I A Y R E A H N Y S A L P F Y F R F	120
ttgccaaactatttactacctccttatgaggaagtgggtgaaccgacctccaactcctccc	420
L P N Y L L P P Y E E V V N R P P T P P	140
ccaccatacagtgccttcagctacagcagcagcagctgctgcctccacagtgtggccct	480
P P Y S A F Q L Q Q Q Q L L P P Q C G P	160
gcaggtggcagtcccccgggcatcgatcccaccaggggatcccagggggcacagagcagc	540
A G G S P P G I D P T R G S Q G A Q S S	180
cccttgtctgagcccagcagaagcagcacaagacccccaaagcatcgctgaccctgatccc	600
P L S E P S R S S T R P P S I A D P D P	200
tctgacctaccagttgaccgagcagccaccaagccccagggatggagcccagtggtctt	660
S D L P V D R A A T K A P G M E P S G S	220
gtggctggcctgggggagctggacccgggggccttcctggacaaagatgcagaatgtagg	720
V A G L G E L D P G A F L D K D A E C R	240
gaggagctgctgaaagatgacagctctgaacacggcgaccccgacagcaaagagaagacg	780
E E L L K D D S S E H G A P D S K E K T	260
cctgggagacatcgccgcttcacaggtgactcgggcattgaagtgtgtgtgtgcaaccgg	840
P G R H R R F T G D S G I E V C V C N R	280
ggccaccatgacgatgacctcaaagagttcaacacactcatcgatgatgctctggatggg	900
G H H D D L K E F N T L I D D A L D G	300
ccctggacttctgacagctgccatgtgcggccccctggatgaggaggaaggcctc	960
P L D F C D S C H V R P P G D E E E G L	320
tgtcagtcctctgaggagcaggctcgagagcctgggcacccgcacctgccacggcgccc	1020
C Q S S E E Q A R E P G H P H L P R P P	340
gcatgcctgctgctgaacaccatcaacgagcaggactctcccaactcccagagcagcagc	1080
A C L L L N T I N E Q D S P N S Q S S S	360
tccccagctagagcaggtcctgccagcaccagcaacttggcaaagcaaccagggtagg	1140
S P S -	363

Figure 2C

TGTTTACTTTGTCTGCTTTGCTAAAGAAGGCCGGTGAACCAGGACCACCGCACACACAGG 60
CCCACCAGGGGCAATGCTCATTCCAAGACCTTAACCTTTAAGAGCCCTTTGTTCCAACGT 120
TAGTGTGGACGATGCTCTTGCAGGATGCCTTTCTTTTGGGTCTTAGACAGGATAAGGAA 180
GCCTGTGTGGGTACCAACAATCAAAGCTACATCTGTGACACAGGACACTGCTGTGGACAG 240
TCTCAGTGTGCAACTACTACTATGAACTCTGGTGGTCTGGCTGGTGTGGACCATCATC 300
ATCATCCTGAGCTGCTGCTGTGTTTGCCACCACCGCCGAGCCAAGCACCGCCTTCAGGCC 360
CAGCAGCGGCAACATGAAATCAACCTGATCGCTTACCGAGAAGCCCACAATTACTCAGCG 420
CTGCCATTTTATTTTCAAGTTTTTGCCAAACTATTTACTACCTCCTTATGAGGAAGTGGTG 480
AACCGACCTCCAACCTCCCCACCATACAGTGCCTTCCAGCTACAGCAGCAGCAGCTG 540
CTGCCCTCCACAGTGTGGCCCTGCAGGTGGCAGTCCCCCGGGCATCGATCCCACCAGGGGA 600
TCCCAGGGGGGCACAGAGCAGCCCTTGTCTGAGCCCAGCAGAAGCAGCACAAGACCCCCA 660
AGCATCGCTGACCCTGATCCCTCTGACCTACCAGTTGACCGAGCAGCCACCAAAGCCCCA 720
GGGATGGAGCCCAGTGGCTCTGTGGCTGGCCTGGGGGAGCTGGACCCGGGGGCCTTCCTG 780
GACAAAGATGCAGAAATGTAGGGAGGAGCTGCTGAAAGATGACAGCTCTGAACACGGCGCA 840
CCCGACAGCAAAGAGAAGACGCCTGGGAGACATCGCCGCTTCACAGGTGACTCGGGCATT 900
GAAGTGTGTGTGTGCAACCGGGGCCACCATGACGATGACCTCAAAGAGTTCAACACACTC 960
ATCGATGATGCTCTGGATGGGCCCCCTGGACTTCTGCGACAGCTGCCATGTGCGGCCCCCT 1020
GGTGATGAGGAGGAAGGCCTCTGTAGTCCCTCTGAGGAGCAGGCTCGAGAGCCTGGGCAC 1080
CCGCACCTGCCACGGCCGCCCGCATGCCTGCTGCTGAACACCATCAACGAGCAGGACTCT 1140
CCCAACTCCCAGAGCAGCAGCTCCCCAGCTAGAGCAGGTCTGCCAGCACCCAGCAACT 1200
TGGCAAAGCAACCAGGGTAGGGGAGAACCACGAGAGAAGCATTAAGTGACTTTCAAAGAC 1260
TTTCAGAGTACAGCCACTTGGTTCCTTTTTGTTTGTTCCTTCTCCTCTCCTGCATTTT 1320
CCTCCATCTCCAGGTACAGTTCCGGGTGTGGATGCCTCTTCCCTCCACAAGGGCACAGTGT 1380
TGTGGAGGGCTAAGTTGGTCTGTGACTCATTCCTCATACCTAAGTCCATCTCCTTTCT 1440
TTAAAGTCAAATCTCACCTACCTGTTTGGGTGAGAGAGATGTGTTTTGAAAGCCCCCAAG 1500
GAAGGAGGCTGGGACTGTGCCCTGACATGATTCTTGGTGATGGAATAGGTTTGTGCTCTG 1560
ATTCTAGTTTAAGAGAACGTTGCTGTATCTCAGTCCAGGAGAGGCAGCCATCTTGGCCC 1620
TGGATGAAGAAGGAAACCCACAGAGGCCAGGGCTTGTCTTGGGCTGCCAGTGTCTGCC 1680
AAGCCAGCATTGAGCTAATCCTGTGGGAGGATGAGAGCTACTGGGCCGTTGTATGATAGG 1740
TTGGTAGGGGCTTGTGATCTGTCAAATTCCAGGTGACAAGATCTATGCACCCCATGCGT 1800
CCTTGAGGGGCTTCTCCCCGAGGCTCTGGCTGGCCGAGGCTGGTCTGGTGTGAAAG 1860
GTTATACTGCCCTTTCTTTGTTTGTGTTTTTCTCTAAAAACAAACAGCAAAAGACA 1920
GCTGAAAAACAAGAACTTCACCGGTGGGCAGGCAAGAATTCTCTTCTGGAAATGACGTTT 1980
GTGGCTCTTTCCCAAGTTGGCCTTCAAAGAGCCTGCCTGCTGTTGAGCCAGAAGATGTCT 2040
CGTGTAAGGCTGGGGTGGCGGCTGTCTTGGAACTCTGTGAGCAGGAGGCCCTAAGCCG 2100
CAGCAGTGGATGAGGTGCAGCTCTCTGCCCTCTGCCCTTGGTCTGTGTTACAGGTG 2160
ACCCGTGTGAGCCTGCATCGCAAGCACACACCTGCGGGCCTTCAAGTCTCACTGTTCCG 2220
TATGAGGAAACAGACAGCGGACTGAGGAAGCGATGGCCCCAGAGAAAGGGCCCCCTGTAGC 2280
CTGGCTCTCACACAGTATTTTATCTTTGATTCTGAATAAATATTTTTTGTGGGGTTTTTT 2340
TTTTTTTTTTGGTGGCAGTTGTTTGTGTTTTAACTGACCACTTGGAAGAAACACCTTGGTT 2400
ATCTGTGGTTTTTCATGCCCTGTCCCTGCCTCTACCCCCACCCCTTTTGAGTCGGGTGACT 2460
CATTTTTCTGTGTAGAGACTCGGTGGCCAGGCAGGAGGTGAAAGCAGCCATCCGGAAGG 2520
CCCTGGGGACCCCTGTGCCCTGTTGCTCGCCTTCAGGTACCCAGCTGAGCTGCGATAGGAA 2580
AATCTGAATGGAGGCAGCAAACAGCCAAAACAAACATTCCCCACCCGGCCCTGTGCATAT 2640
GAAGTCTTTCTTCCCCCAACTCTTGAACGATGATGATATTACAGACGAAGCATTGATGTTA 2700
TGGAAGAAAAGAAAAGAAACAAACAAAAATATATATATATGTCCAAAAACAGACAAATCCA 2760
AGGGTGTGAGGTAAACGAGTGTCTGCATTTAGATTCCACAAAACCAAATCCATGTTGAA 2820
CAAAGTTAAGTCCGTACACAGTGACTTTTTTGGGTGAGCCGTGTGTGTCTGTCTGTTGTGT 2880
GTGTGCCCTCAAGCCCTGTTTTCTGTGAAGATACTTTGAGTGGCAGCCATTCTCTCCACG 2940
TGAACCACACGTCTGGAGCACAGACAGGCCTCTCAAGGTGATTGATCTTACGCATTTACT 3000
GTTTACCGAACAATGTCTGACTGTGTACTCGGGTGTACTCCGCAGCATTGTGACTGCA 3060
GTCCCTGTGTTTGCAGAGATACTGTGCTCGAAGTAGAGGTTTTACTCTACTCATCACT 3120
GCGATTTGCACATTGCTCCGTGGACACTCGGAGGCTCGGTTCTGTTCCCTATAAATGGA 3180
AGCGTGCTCTGAGCCTGTCTGCCTCCCTCGGCTGCTGCTGGTCCCTCAGTACCAGCGCCG 3240
GGGGTGTCCACAACCACTTGGGACAGAAGAAGGTGGAATTTACAGACAGAAGCTTGACTGG 3300
GTCTTCAATGACAGGCTTGGACTAGCTGTGGCCAGACATCGGCCCTGCCAGAAATTGCC 3360
AGGAGGAGGCTTTGCAGGCTCTAGAGGAGCCGAGGGCCTGCCTGCCTCTGGTGAGTCCA 3420
ACAGGCACAAGCAAGCTGGCGTGTGGCCAGAGGTAGCCGGAGTGTGTACAGCCCCCTCAG 3480

Figure 2C (continued)

ATGCCTTTCCTTCCACCTTTTTTTTTTATTTTTTAAGAATCCCAAATAACTCACTGAAGTG	3540
TCTCAAAGGCGAACAAGTTTTACCAAATGAATCCTTTTTTCAGTTAACAGATCAAATGGA	3600
TGAGTTCTGAGCCTCTCAAGTTCCTTTCCCCAGTTAGAGTGGGGAAC TGGGCAAGTGTTA	3660
ACTGTGGGACTCACTGCAGCGTCCTATCCTAAAGGCACGAGAAGACGGAAATGCAACCTG	3720
CGGAGCTGGGCTTGGTTCCCAGGTCACAGTTTGGCCCCCGCTACAGGATGCTGCCCTGCT	3780
CAGAGAGAGATTTAATAGGGAGCTGAAGGAATCGTTAGGGGGCCAGGGAGATGTGACTGA	3840
GGCTGGCTTTCCACGTGAATGAGACGGGGTCGGTGGAGGGTTTGGTGCTACAGCCAGTCA	3900
GAAGATTTGCAATGCGAACACATTCCTGTGTGAGGCACGTTACCCCTTTGTCAGTTATTG	3960
TGAATATGTGTATTTTAAGCAATAAGATTCAGCTGGTCAGACTTTTCTGGGCAGTCTCAG	4020
TGACGCATTTCTGTGCTGTGATTGTTCTGAAGACAGAGTGGCTCTAACCCTGTGAGAA	4080
CCCCAAATAAAAATTGATCCCAAATGAAAAAAAAAAAAAAAAA	4122

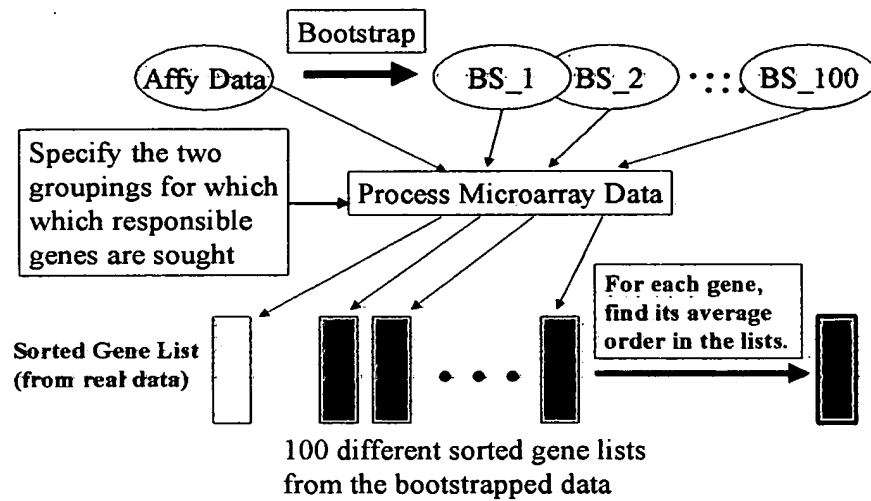


Figure 3

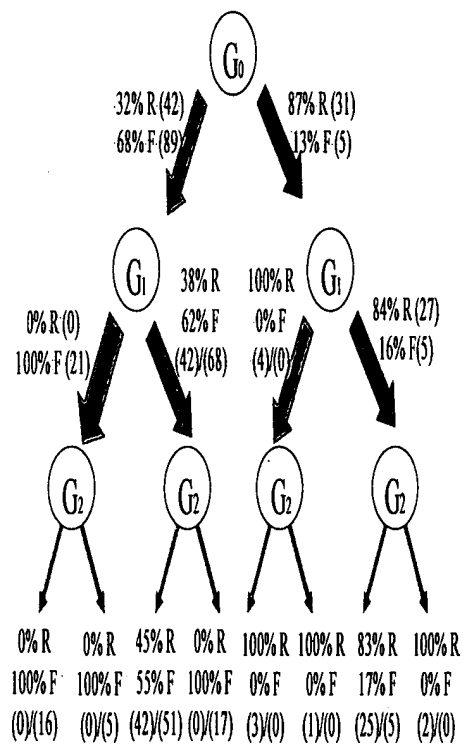
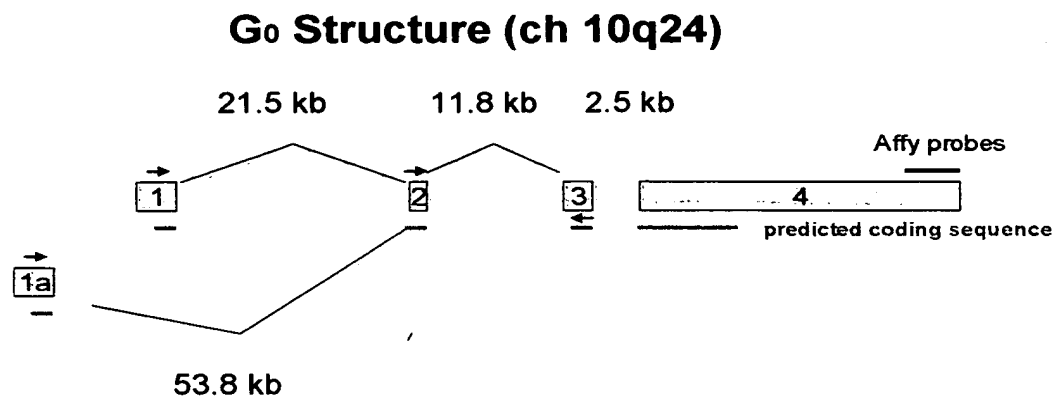


Figure 4

Figure 5



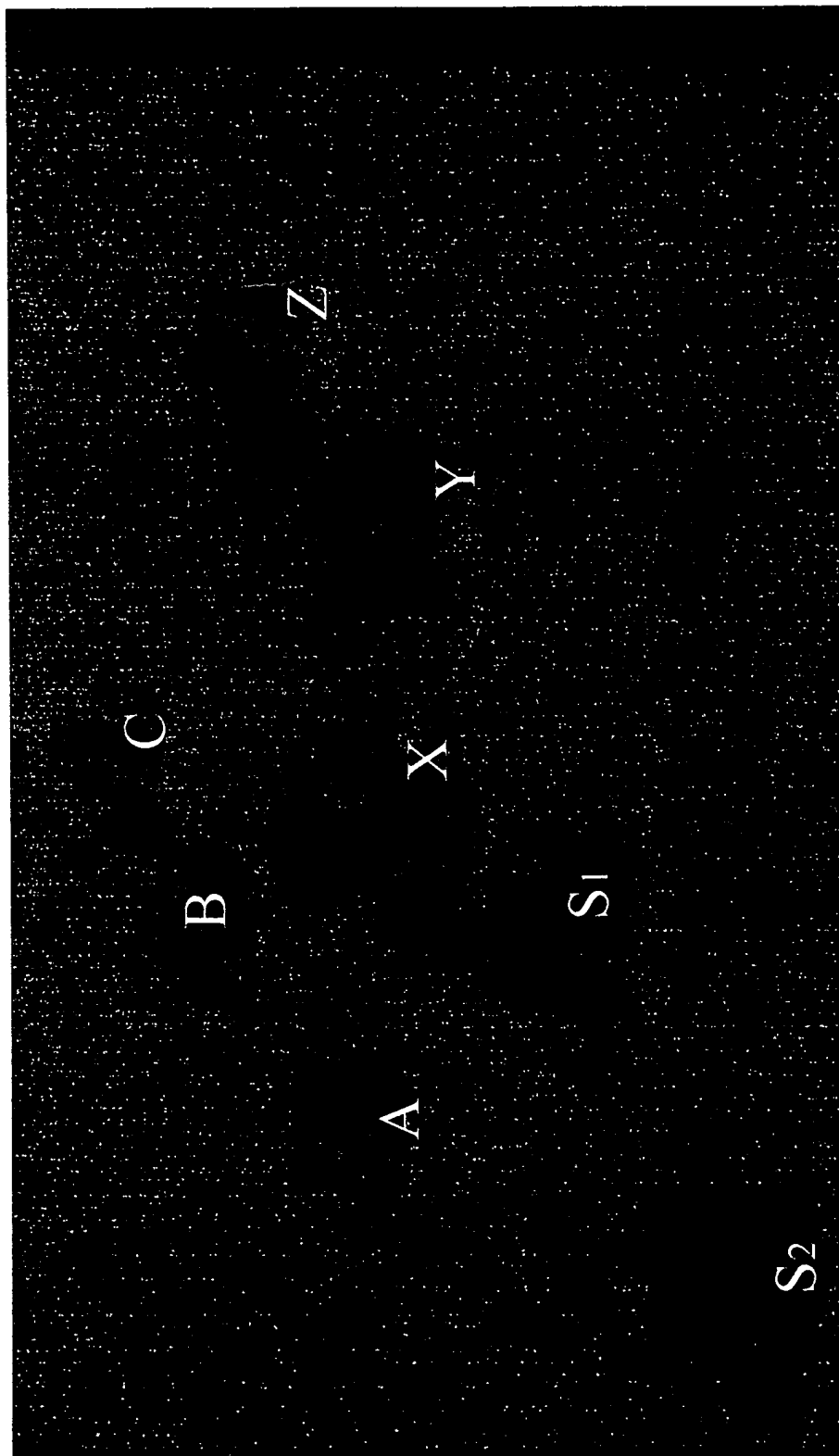


Figure 6

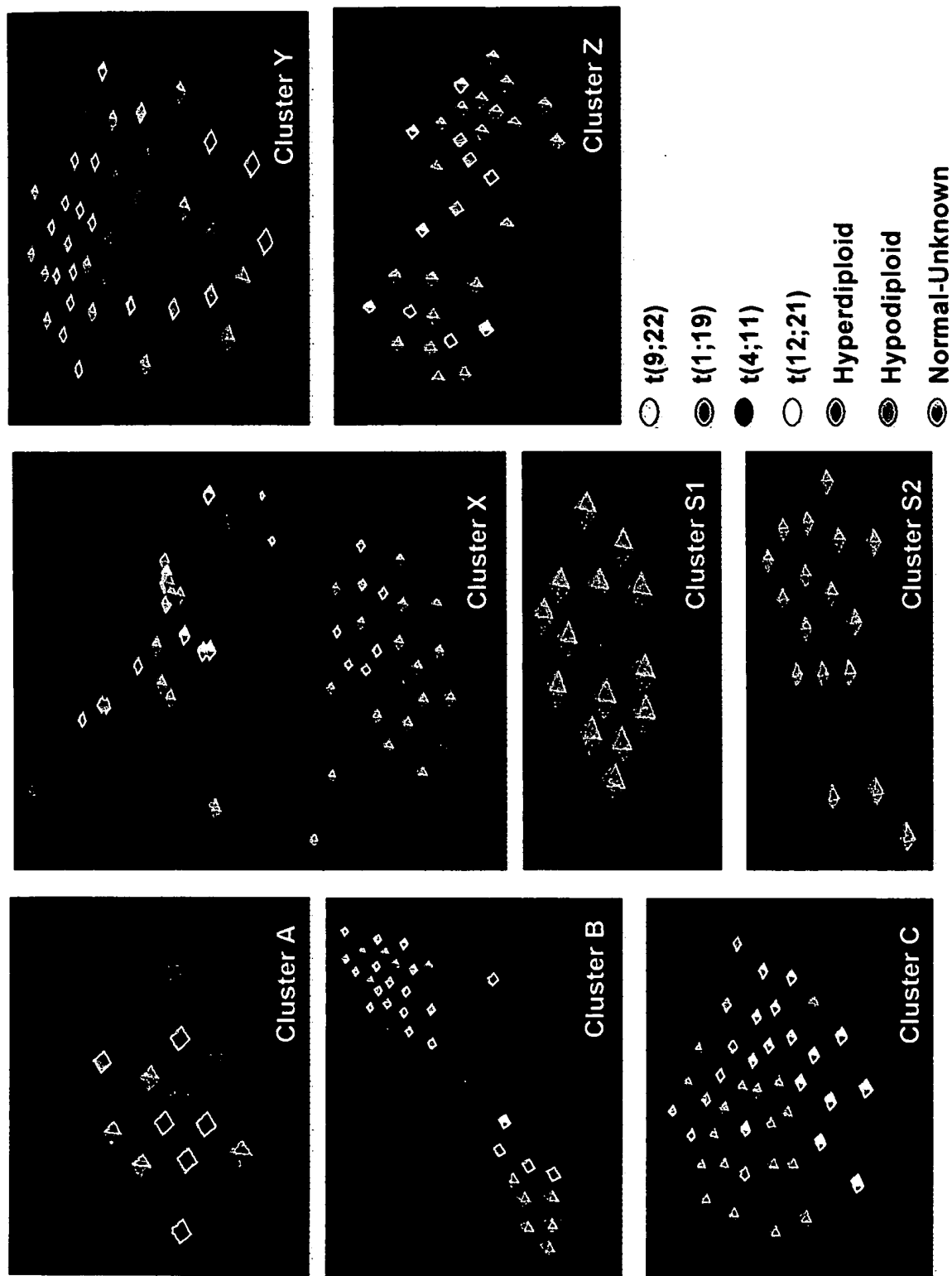


Figure 6

T-cell genes shared between PCA & Yeoh et al, 2002

T-cell leukemia characterizing genes by PCA				T-cell characterizing genes by VIMlight		T-ALL Group characterizing genes (from Yeoh et al, 2002)				
						Chi square	T statistics	Wilkins	SOM WDA	CBFS
						T-ALL	T-ALL	T-ALL	T-ALL	T-ALL
1	2054_g.at	138319.at	5336773.f.at	138319.at	138242.at	138242.at	138242.at	138242.at	135016.at	138319.at
2	28319.at	238147.at	5438750.at	21096_g.at	238319.at	237988.at	237988.at	237988.at	236277.at	
3	33238.at	339226.at	5541609.at	338242.at	337988.at	31096_g.at	31096_g.at	31096_g.at	338147.at	
4	37988.at	433238.at	5632793.at	5738893.at	432794_g.at	439318.at	439318.at	439318.at	438949.at	
5	52059_s.at	5738893.at	5738893.at	5738893.at	538522_s.at	538018_g.at	538018_g.at	538018_g.at	532649.at	
6	638147.at	632794_g.at	5841723_s.at	638017.at	635350.at	636878.f.at	636878.f.at	636878.f.at	633238.at	
7	740888.at	731891.at	5837403.at	735016.at	736277.at	738147.at	738147.at	738147.at	735643.at	
8	810891.at	838949.at	6036473.at	836604.at	838550.at	836473.at	836473.at	836473.at	836473.at	
9	92547_g.at	937444.at	6136941.at	938095_i.at	933705.at	938051.at	938051.at	938051.at	938319.at	
10	94016.at	1033919.at	6239319.at	1039318.at	1036878.f.at	10266_s.at	10266_s.at	10266_s.at	1039709.at	
11	12784_g.at	1138096.f.at	6336878_g.at	1138147.at	1136638.at	1138521.at	1138521.at	1138521.at	1148775.at	
12	138108.at	1238051.at	64907.at	1240723_s.at	1232794_g.at	1237344.at	1237344.at	1237344.at	1232794_g.at	
13	140570.at	1340688.at	6533121_g.at	1338833.at	1332174.at	1334033_s.at	1334033_s.at	1334033_s.at	1337039.at	
14	1438114.at	151096_g.at	6641468.at	1433238.at	14160041.at	1436638.at	1436638.at	1436638.at	1438051.at	
15	180021.at	181105_s.at	6837849.at	1537039.at	1538521.at	1538213.at	1538213.at	1538213.at	1538095_i.at	
16	183040.at	1740934.at	6938253.at	1638051.at	1638018_g.at	1641734.at	1641734.at	1641734.at	1638096.f.at	
17	183941.at	1835016.at	7034033_s.at	1638051.at	1737344.at	1736571.at	1737711.at	1737711.at	1738415.at	
18	183703.at	1940775.at	7141819.at	1737344.at	1736571.at	1736571.at	1737711.at	1737711.at	1738415.at	
19	192849.at	2040738.at	7235985.at	1838096.f.at	181096_g.at	1836239.at	1836239.at	1836239.at	1838833.at	
20	208.at	2136547.at	7333821.at	192039_s.at	1939318.at	1938319.at	1938319.at	1938319.at	192059_g.at	
21	22257.f.at	2236277.at	74172.at	201105_s.at	2041710.at	2038894_g.at	2038894_g.at	2038894_g.at	201241.at	
22	22681.f.at	2341163_g.at	7537759.at	2132649.at	21599.at	213705.at	213705.at	213705.at	214105_s.at	
23	31383.at	2441523.at	7636937_s.at	2238949.at	22266_s.at	2238017.at	2238017.at	2238017.at		
24	32607.at	2538315.at	7733641_g.at	2339709.at	2336502.at	2341156_g.at	2341156_g.at	2341156_g.at		
25	32608.at	2638917.at	7841156_g.at	2441165_g.at	2439114.at	2438994.at	2438994.at	2438994.at		
26	38408.at	2738833.at	7837890.at	2536473.at	2537539.at	2537710.at	2537710.at	2537710.at		
27	371431.at	2839119_s.at	8039273.at	26266_s.at	2640775.at	2641155.at	2641155.at	2641155.at		
28	1891.at	2840147.at	8141409.at	2740370.at	2734033_s.at	2740570.at	2740570.at	2740570.at		
29	36105.at	3037039.at	8240155.at	2840775.at	282031_s.at	2834224.at	2834224.at	2834224.at		
30	3919_s.at	311110.at	8333291.at	2937420_i.at	2938051.at	2938604.at	2938604.at	2938604.at		
31	37251_s.at	3239709.at	8436658.at	301085_s.at	3035794.at	3036773.f.at	3036773.f.at	3036773.f.at		
32	1404.f.at	33771_s.at	8538581.at	3138018_g.at	3141156_g.at	3132562.at	3132562.at	3132562.at		
		3441164.at	8633316.at	32335643.at	3232979.at	3236502.at	3236502.at	3236502.at		
		3539248.at	8737598.at	3343166.at	3332562.at	3337180.at	3337180.at	3337180.at		
		3634927.at	8836808.at	3438415.at	3436536.at	3438893.at	3438893.at	3438893.at		
		3737399.at	8839044_s.at	3538893.at	3536108.at	35387.at	35387.at	35387.at		
		381498.at	33777.at	361241.at	3641734.at	3632035.at	3632035.at	3632035.at		
		393930.at	39318.at	3732793.at	3741153.f.at	3741153.f.at	3741153.f.at	3741153.f.at		
		4040570.at		3836571.at	3837710.at	3840780.at	3840780.at	3840780.at		
		4137861.at		3937399.at	3939893.at	3940775.at	3940775.at	3940775.at		
		4237078.at		4041097.at	4037908.at	4039402.at	4039402.at	4039402.at		
		4335643.at			4138522_s.at	4138522_s.at	4138522_s.at	4138522_s.at		
		4438017.at			4241166.at	4241166.at	4241166.at	4241166.at		

Bayesian (1,2,2)	Yeoh et al. (1,2,2)	Bayesian (4,1,1)	Yeoh et al. (4,1,1)	Bayesian (1,1,1)	Yeoh et al. (1,1,1)	Bayesian (9,2,2)	Yeoh et al. (9,2,2)	Bayesian Hypothesis	Yeoh et al. Hypothesis
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2 1325_at	2 36239_at	2 39717_g_at	2 40797_at	2 36203_at	2 1287_at	2 39730_at	2 36650_at	2 32139_at	2 37350_at
3 1077_at	3 41442_at	3 33412_at	3 33412_at	3 37306_at	3 32063_at	3 37006_at	3 40196_at	3 40296_at	3 171_at
4 34194_at	4 37780_at	4 40763_at	4 39338_at	4 1081_at	4 33355_at	4 1081_at	4 1635_at	4 149_at	4 37677_at
5 32730_at	5 36985_at	5 31575_f_at	5 2062_at	5 40454_at	5 430_at	5 33131_at	5 33775_s_at	5 22381_at	5 41724_at
6 34745_at	6 38578_at	6 1039_s_at	6 32193_at	6 1616_at	6 40454_at	6 36031_at	6 1636_g_at	6 32207_at	6 32207_at
7 37986_at	7 38203_at	7 36873_at	7 40518_at	7 36452_at	7 753_at	7 39968_at	7 41295_at	7 30738_at	7 30738_at
8 40570_at	8 35614_at	8 1914_at	8 36777_at	8 35727_at	8 33821_at	8 40202_at	8 37600_at	8 40771_at	8 40480_s_at
9 40272_at	9 32224_at	9 32529_at	9 32207_at	9 753_at	9 39614_at	9 36203_at	9 37012_at	9 32941_at	9 38518_at
10 2036_e_at	10 32730_at	10 32977_at	10 33859_at	10 32063_at	10 38340_at	10 38119_at	10 39225_at	10 35969_at	10 41132_f_at
11 35940_at	11 35665_at	11 37724_at	11 38391_at	11 1797_at	11 1786_at	11 36601_at	11 1326_at	11 37001_at	11 31492_at
12 41097_at	12 1077_at	12 39338_at	12 40763_at	12 362_at	12 39929_at	12 32260_at	12 34362_at	12 37421_f_at	12 38317_at
13 39931_at	13 36524_at	13 1973_s_at	13 1126_s_at	13 39829_at	13 39379_at	13 34550_at	13 33150_at	13 39755_at	13 40998_at
14 31472_s_at	14 34194_at	14 31444_s_at	14 34721_at	14 717_at	14 717_at	14 37399_at	14 40051_at	14 33936_at	14 33936_at
15 32227_at	15 36937_s_at	15 36897_at	15 37809_at	15 854_at	15 362_at	15 38994_at	15 39061_at	15 40370_f_at	15 40903_at
16 37280_at	16 36008_at	16 34210_at	16 34861_at	16 38285_at	16 33513_at	16 1583_at	16 33172_at	16 32788_at	16 36489_at
17 36524_at	17 1299_at	17 266_s_at	17 38194_s_at	17 41138_at	17 37225_at	17 1461_at	17 37399_at	17 34990_at	17 1520_s_at
18 39824_at	18 41814_at	18 769_s_at	18 657_at	18 40113_at	18 854_at	18 33885_at	18 317_at	18 40202_at	18 35939_s_at
19 35260_at	19 41200_at	19 36536_at	19 36918_at	19 36069_at	19 35974_at	19 34889_at	19 40953_at	19 36977_at	19 38604_at
20 35614_at	20 35238_at	20 38413_at	20 32215_f_at	20 37379_at	20 36452_at	20 40790_at	20 330_s_at	20 2031_s_at	20 31863_at
21 37497_at	21 880_at	21 41170_at	21 38160_at	21 37225_at	21 40648_at	21 38276_at	21 40504_at	21 40518_at	21 890_at
22 41814_at	22 35690_at	22 37680_at	22 38413_at	22 39614_at	22 38393_at	22 36543_at	22 38336_at	22 38336_at	22 39402_at
23 1980_e_at	23 40272_at	23 38518_at	23 1389_at	23 38748_at	23 38994_at	23 36591_at	23 39044_s_at	23 39059_at	23 41490_at
24 36008_at	24 35362_at	24 36514_at	24 34168_at	24 33513_at	24 34861_at	24 37600_at	24 36634_at	24 547_s_at	24 34753_at
25 36638_at	25 41819_at	25 40396_at	25 2036_s_at	25 39729_at	25 38748_at	25 675_at	25 38119_at	25 36048_at	25 40891_f_at
26 40367_at	26 40279_at	26 40417_at	26 40522_at	26 37493_at	26 40113_at	26 1295_at	26 32562_at	26 33061_at	26 306_s_at
27 32163_f_at	27 1488_at	27 486_at	27 854_at	27 1788_s_at	27 36179_at	27 37732_at	27 33228_g_at	27 40712_at	27 37640_at
28 755_at	28 1325_at	28 32232_at	28 40067_at	28 39929_at	28 37493_at	28 669_s_at	28 37006_at	28 39290_f_at	28 34829_at
29 32724_at	29 37908_at	29 39756_g_at	29 39756_g_at	29 37701_at	29 578_at	29 38313_at	29 38641_at	29 35408_l_at	29 36169_at
30 769_s_at	30 769_s_at	30 36940_at	30 36940_at	30 34335_at	30 41017_at	30 15236_at	30 38220_at	30 36103_at	30 35688_at
31 33415_at	31 33415_at	31 36935_at	31 36935_at	31 36935_at	31 37625_at	31 1211_s_at	31 1211_s_at	31 36128_at	31 36128_at
32 1980_e_at	32 1980_e_at	32 32134_at	32 32134_at	32 32134_at	32 38679_g_at	32 39730_at	32 39730_at	32 37014_at	32 37014_at
33 32579_at	33 32579_at	33 39379_at	33 39379_at	33 39379_at	33 1389_at	33 36591_at	33 36591_at	33 34374_g_at	33 34374_g_at
34 39425_at	34 39425_at	34 40493_at	34 40493_at	34 40493_at	34 34783_s_at	34 36035_at	34 36035_at	34 36542_at	34 36542_at
35 755_at	35 755_at	35 769_s_at	35 769_s_at	35 769_s_at	35 36959_at	35 980_at	35 980_at	35 688_at	35 688_at
36 37343_at	36 37343_at	36 40415_at	36 40415_at	36 40415_at	36 39864_at	36 671_at	36 671_at	36 955_at	36 955_at
37 1336_e_at	37 1336_e_at	37 35983_at	37 35983_at	37 35983_at	37 41862_at	37 40698_at	37 40698_at	37 35816_at	37 35816_at
38 41097_at	38 41097_at	38 40519_at	38 40519_at	38 40519_at	38 41425_at	38 39330_s_at	38 39330_s_at	38 38459_g_at	38 38459_g_at
39 31786_at	39 31786_at	39 794_at	39 794_at	39 794_at	39 37177_at	39 1983_at	39 1983_at	39 41288_at	39 41288_at

Figure 8

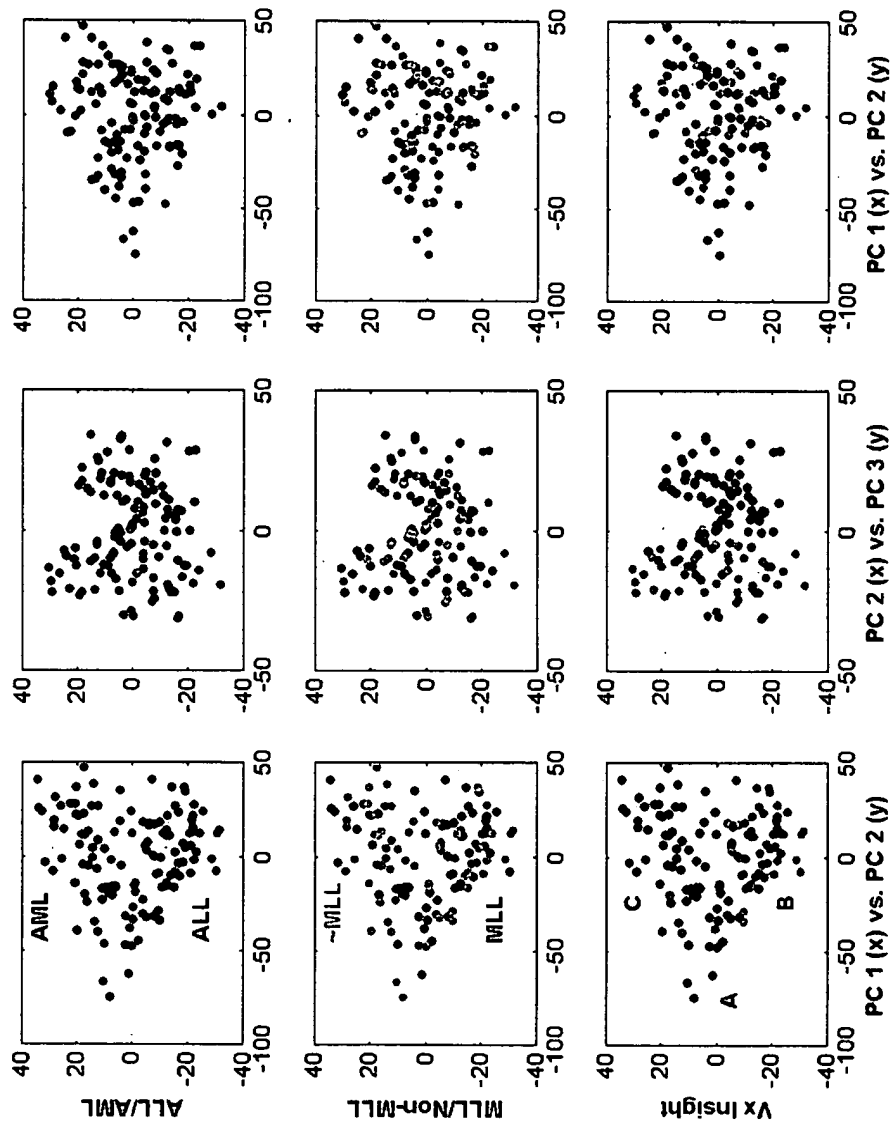


Figure 9

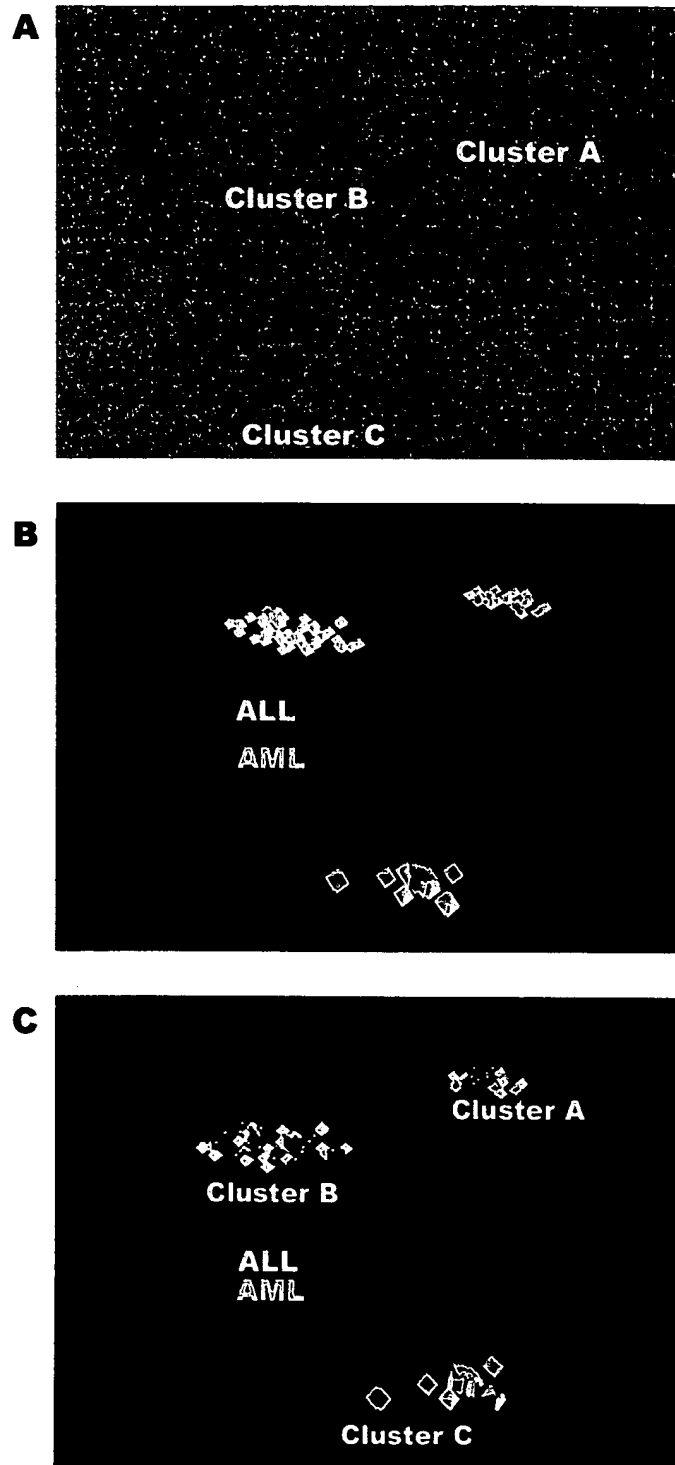


Figure 10

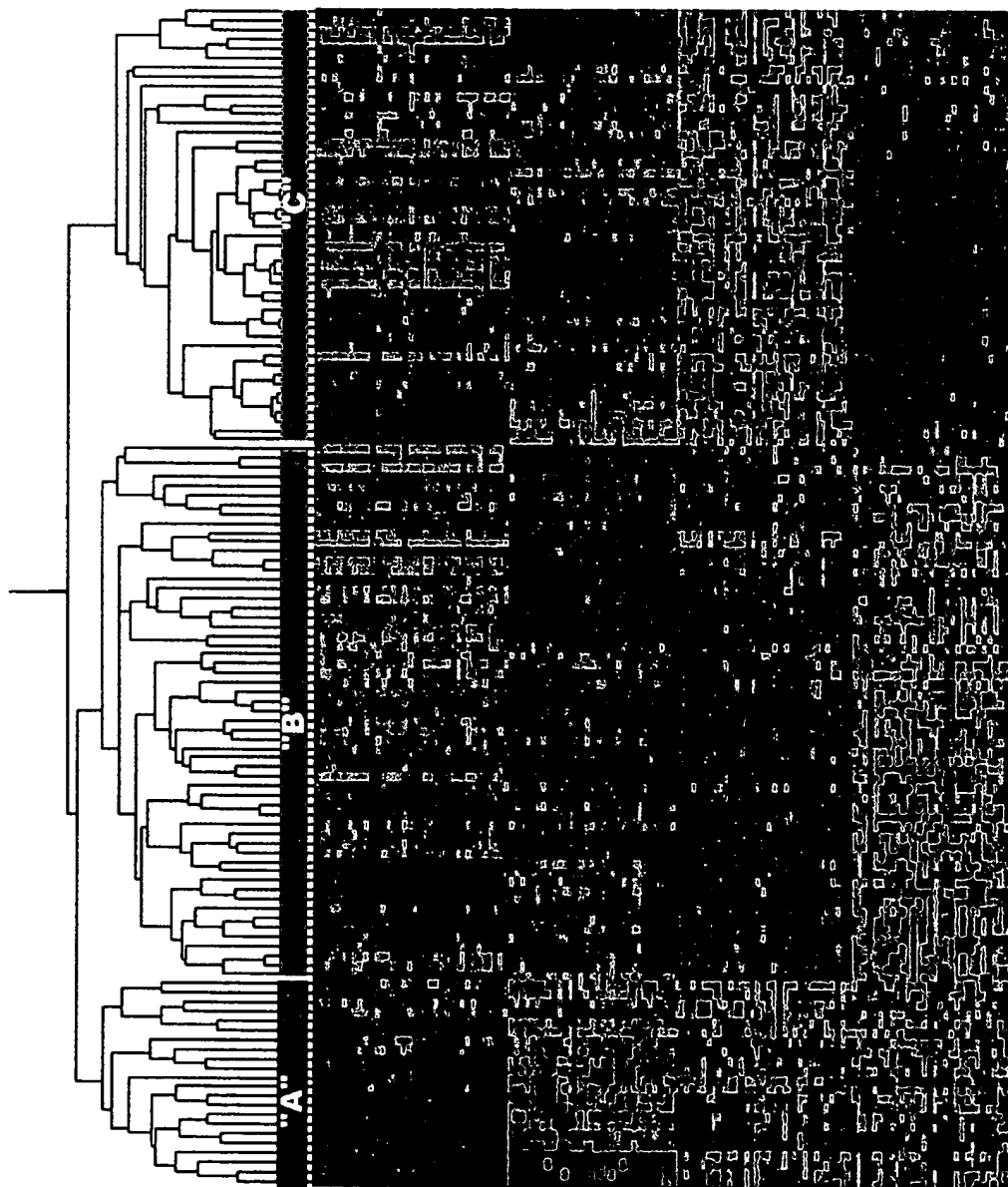


Figure 11

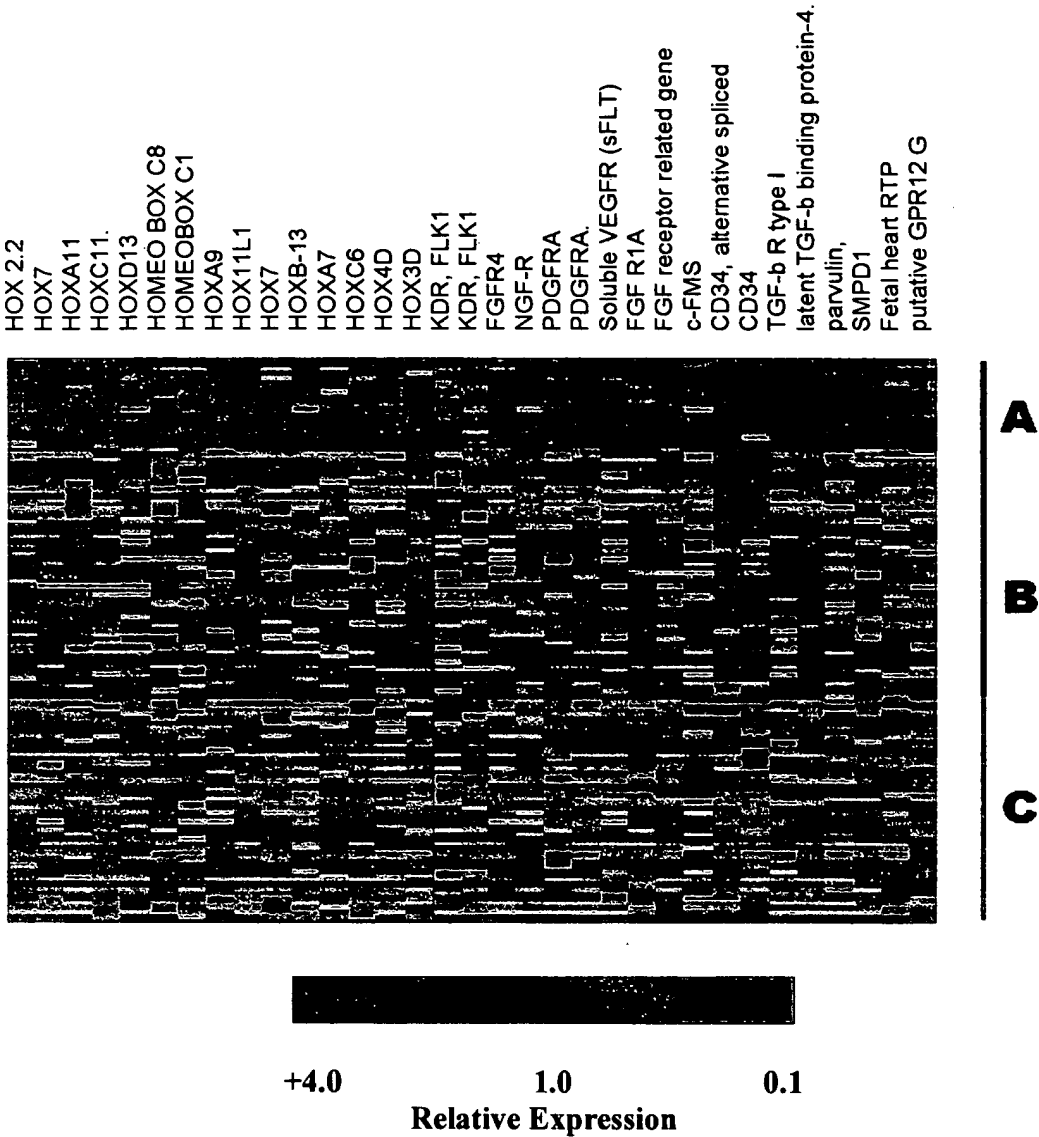


Figure 12A

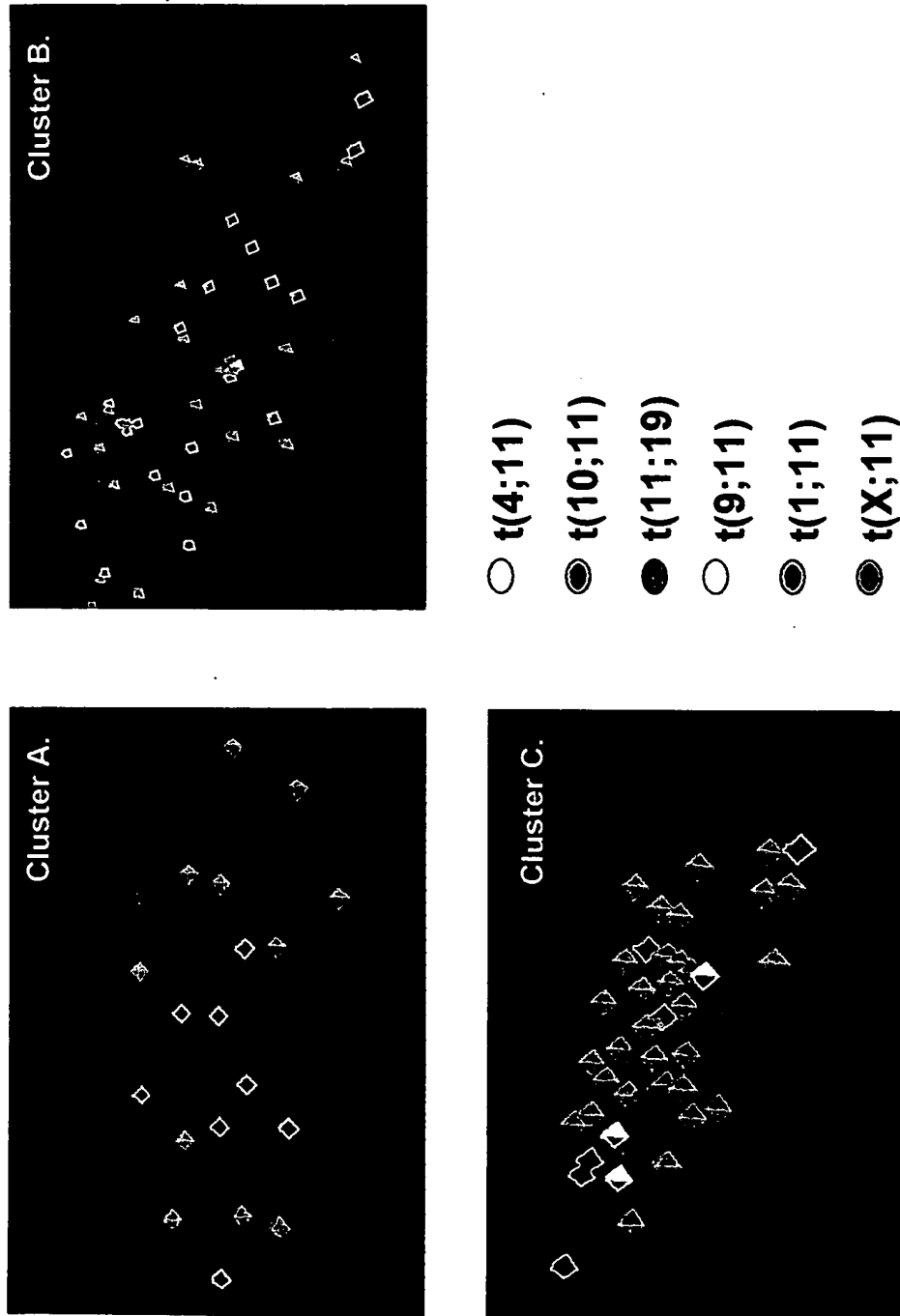


Figure 13

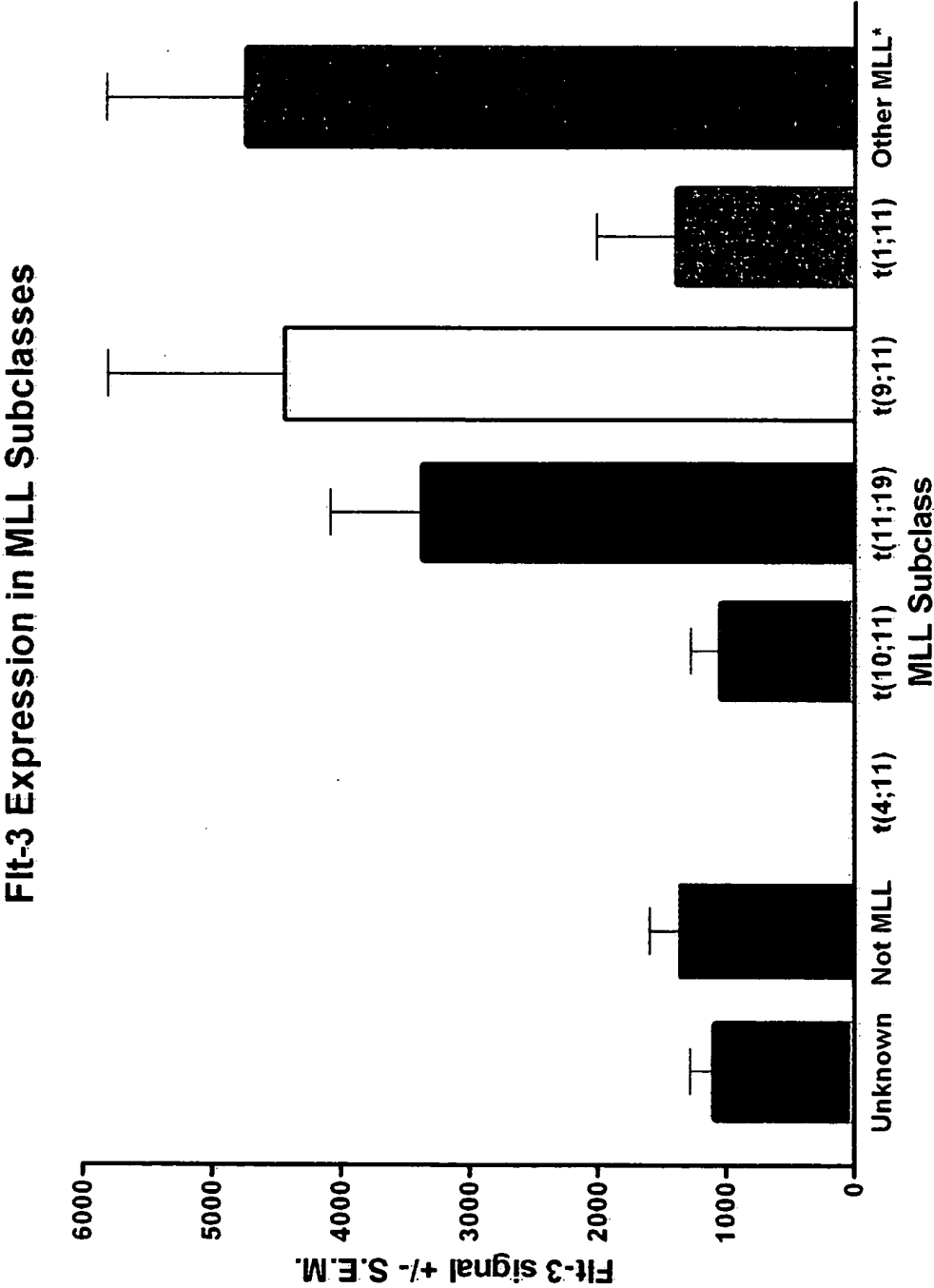


Figure 14

Contrast t(4;11) in A vs. B	Symbol	Contrast t(4;11) in A vs. B Continuation	Symbol
jumping translocation breakpoint	JTB		
prefoldin 5	PFDN5		
		ubiquitin-conjugating enzyme E2I homologous to yeast UBC9	UBE2I
		phosphate carrier precursor isoform 1a	PHC
small nuclear ribonucleoprotein polypeptide A	SNRPA1	erythroblast macrophage attacher	
		v-src-1 Yamaguchi sarcoma viral related oncogene homolog	LYN
similar to S. cerevisiae RER1			
		epididymal secretory protein 19.5kD	NPC2
ubiquitin specific protease proto-oncogene	USP4	immunoglobulin-binding protein 1	IGBP1
hydroxyacyl-Coenzyme A dehydrogenase	HADHA	eukaryotic translation initiation factor 3 subunit 7 zeta 66/67kD	EIF3S7
ATP synthase H transporting mitochondrial F1 complex	ATP50		
ribosomal protein 36AL	RPL36AL		
chaperonin containing TCP1 subunit 8 theta		unknown protein LOC51035	
transmembrane trafficking protein	TMP21		
eukaryotic translation initiation factor 3 subunit 4	EIF3S4	NADH dehydrogenase ubiquinone Fe-S protein	NDUFS3
		small nuclear ribonucleoprotein D2 polypeptide	SNRPD2

Figure 15

MLL vs. not MLL	MLL t(4;11) vs NOT	MLL t(10;11) vs NOT	MLL t(11;19) vs NOT	MLL t(9;11) vs NOT	MLL t(1;11) vs NOT	Other MLL
UBN1	BMI1	RUNX3	H2AFY	TRADD	FTL	VPS45A
HCLS1	MICB	SH3BP1	IGHG3	RPL26	PBEF	PSME2
KIAA0945	S100A11	HMGCR	FACVL1	TCFL4	LGALS3	LENG4
NFATC3	CG018	HGF	ERH	COX7C	PDXK	B2M
MD-1	DOK1	ESRRA	IRAK1	DOC-1R	HPR	CPD
TRA@	SYNGR2	CDKN1C	IL2RG	KIAA0476	GABARAP	UGP2
RAD9	WAS	MAP2	RPL18	ATP6V1G	TALDO1	CTSL
KIAA0453	FBXO9	EN2	SPAG6	MARS	BCL6	IGHG3
IQGAP2	PRKAR1A	SPR	SULT1A2	MRPL33	EPB72	PEX11B
FBP17	DOK1	HXB	SOX4	HSF1	S100A8	BST2
FLJ12443	LYN	TPS1	VCP	FBP17	RABGGTA	CASP1
CD4411p13	TIMP1	ENDOG	IGBP1	AHR	HIF1A	CAST
CRADD	ARPC2	GALR3	SNRPN	ZFR	CDA	B2M
NFATC3	ELF4	ORP150	MAGED2	KIAA0906	PTPN12	ASAH
KIAA0265	BASP1	SLC6A13	AREG	PLCG2	C20orf16	RAB2
H2AFO	BID	CG018	TACTILE	RAB33A	TIMP1	RAG1
KRT8	NDUFB8	RARRES2	CD97	PSMA4	CSK	TRA@
C20orf14	ITGB1	CHD3	LPXN	TRAP1	MAD	ISG15
BAG1	MLCB	KNSL2	TMSNB	PRKCB1	CTSD	EIF2S1
CGI-57	ATP6V0E	TNFSF9	ASMTL	RASA1	PTENP1	CRA
13033	COX7C	ENDOGL1	IMPDH2	TP53BP1	CUTL1	SCYA5
CHC1L	MAGED2	MGLL	LMNA	INPP5D	FLOT2	MADH2
KIAA0766	NUCB2	SLC7A1	CD72	NME2	MPP1	LTBR
PSR	ACTR2	MCCC2	CD79A	HMG14	CKAP4	TNFSF10
DPYSL3	OS-9	GIT2	MDK	MGC2840	DR1	ARPC2
SERPINB8	HLA-F	GEM	SERPINE1	TETRA	HSPC022	PPP2R5C
HRI	PCMT1		CIC	PIK3CD	AKR1C2	CDK2

Figure 16

Bayesian	SVM	Fuzzy	DA
RPL5	CKAP4	POU4F1	TRA@
TRA@	BAX	APOC2	CST3
KIAA1157	CTGF	ECGF1	NFATC3
STS	ICAM3	S100A12	BLNK
NFATC3	PROML1	ITGAM	SDR1
KIAA0542	NR1H3	HK3	CTGF
UMPK	BLNK	CES1	KIAA0585
RPS16	SDR1	MNDA	ICAM3
BLNK	CST3	CSPG2	KIAA0020
KIAA0970	RAB33A	RAB32	PKD2
NACA	LY117	CXX1	BLK
RPS28	PLAGL1	EPB41L3	RAB33A
NFATC3	DNTT	SCYA5	NFATC3
RAD9	SUCLA2	CKAP4	LCP2
JUND	TANK	CTSG	KIAA1157
HAT	MN1	MACS	STX1A
RPL8	GBP1	HDC	BCL11A
RPS9	RDX	ITGA7	H2BFL
SYNGR1	MACS	FCER1G	LSP1
DKFZP564M1462	LC27	HOMER-3	PLAGL1
RPL32	LSP1	CSPG2	SLC35A3
UBN1	KIAA0020	DNC11	TANK
RRBP1	RGS13	LC27	RUNX1
KIAA0907	ICAP-1A	CSTA	RECQL
	STX1A	GS3955	GNA15
	LOC54103	GRN	LOC57187
	FBN1	MSE55	CSRP2
	KIAA0471	CRA	CD72
	SCHIP1	ITGB2	KIAA0471
	KIR3DL1	ALOX5	RDX
	LCCP	DNTT	STAT2
	LOC57187	ICAM3	FLT3
	HRY	SNN	LOC54103
	TIMP1	S100A11	CKAP4
	KIAA0429	TLR2	NFATC3
	BID	IL6	CTSH
	Z 10	SLC16A3	ICAP-1A
	GTPBP1	PECAM1	HSU79252
	PFN2	DXS9928E	SDHC
	UBE2G1	JUN	FNBP3

Bayesian MLL	SVM MLL	Fuzzy MLL	DA MLL
UBN1	MKI67	HDC	NR1H3
HCLS1	UTRN	POU4F1	CUL2
KIAA0945	C8orf2	SPAG6	FLT3
NFATC3	ACTG1	HBZ	PRH1
MD-1	NUP153	GPM6B	RBM10
TRA@	GAS7	CSRP2	HOXA9
RAD9	UMPK	CHRNA7	NFATC3
KIAA0453	ERBB3	ITGA2B	NIPSNAP1
IQGAP2	TMOD	CCND2	FLT3
FBP17	CAD	TRB@	AF038169
FLJ12443	SLC25A16	LC27	PROML1
CRADD	AHCY	CREM	ALOX5AP
NFATC3	TOP3B	AKR1C3	HSPB2
KIAA0265	BAIAP3	H2AFN	SMAP
H2AFO	PRKCQ	H3FB	ADCYAP1
KRT8	PSMF1	GATA2	DKFZP586H111
TOM	TRIM33	ALOX5	GIT2
BAG1	PPIC	FOLR3	MMP1
CGI-57	FLT3	CD3D	IRAK1
CHC1L	MDH1	MME	MME
KIAA0766	MAP4	IL6	TNFRSF5
KIAA0585	LILRA3	KIAA0453	MGST3
DPYSL3	SIAT4A	DKFZP586H111	RNAHP
SERPINB8	BIK	RPP14	CD38
	D123	KLF1	KIAA1218
	KIAA0806	CSPG4	CAPG
	ZNF146	VRP	MSX1
	TOP2B	PRL	KIAA0976
	XRCC5	PRKCZ	SUPT4H1
	NCOR1	OSTF1	CDK5R2
	CFLAR	HOXB2	RECQL
	CD37	PSMD13	LGALS1
	ACK1	KIAA0960	PNLIPRP1
	BAT8	IGHG3	GPM6B
	B1	M6A	FBN1
	KIAA0595	NR4A3	IL17R
	LCE	KIAA0766	TLR1
	CBL	PDGFA	LU
	KIAA0470	DLK1	MAPK9
	LIF	TERF1	LIM

Figure 17

Figure 18